

The DAS V Range of actuators provide quiet and reliable operation of all kinds of quarter turn automation applications up to 300Nm's e.g. ball valves, butterfly valves, plug valves as well as dampers and ventilation louvres. They provide self locking as standard, local visual indicators and manual override options together with a wide range of voltages.

**VR / VS and VRX / VRS (ATEX - Hazardous) Range (single phase and dc voltages)**  
**FAILSAFE / POSITIONING / THREE POSITION and FAILSAFE AND THREE POSITION**

Code	Star drive nut / connection	Torque	Voltages	Power	Operating time
VR / VRX 25.70A.G00	17 F05/F07	25Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	7 sec
VR / VRX 25.70B.G00	17 F05/F07	25Nm	15V to 30V 50/60Hz (12V to 48V DC)	45W	7 sec
VR / VRX 45.70A.G00	17 F05/F07	45Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15 sec
VR / VRX 45.70B.G00	17 F05/F07	45Nm	15V to 30V 50/60Hz (12V to 48V DC)	45W	15 sec
VR / VRX 75.70A.G00	17 F05/F07	75Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	20 sec
VR / VSX 75.70B.G00	17 F05/F07	75Nm	15V to 30V 50/60Hz (12V to 48V DC)	45W	20 sec
VS / VSX 100.90A.G00	22 F07/F10	100Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	15 sec
VS / VSX 100.90B.G00	22 F07/F10	100Nm	15V to 30V 50/60Hz (12V to 48V DC)	45W	15 sec
VS / VSX 150.90A.G00	22 F07/F10	150Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	30 sec
VS / VSX 150.90B.G00	22 F07/F10	150Nm	15V to 30V 50/60Hz (12V to 48V DC)	45W	30 sec
VS / VSX 300.90A.G00	22 F07/F10	300Nm	100V to 240V 50/60Hz (100V to 350V DC)	45W	60 sec
VS / VSX 300.90B.G00	22 F07/F10	300Nm	15V to 30V 50/60Hz (12V to 48V DC)	45W	60 sec

**FAILSAFE / POSITIONING / THREE POSITION and FAILSAFE AND THREE POSITION**

Code	Star drive nut / connection	Torque	Voltages	Power	Operating time
VR / VRX 25.709.R00	17 F05/F07	25Nm	400V TRI	52W	10 sec
VR / VRX 45.709.R00	17 F05/F07	45Nm	400V TRI	52W	10 sec
VR / VRX 75.709.R00	17 F05/F07	75Nm	400V TRI	52W	15 sec
VS / VSX 100.909.R00	22 F07/F10	100Nm	400V TRI	135W	10 sec
VS / VSX 150.909.R00	22 F07/F10	150Nm	400V TRI	135W	20 sec
VS / VSX 300.909.R00	22 F07/F10	300Nm	400V TRI	135W	35 sec

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*VR / VRX and VS / VSX Standard Equipment*

- 4 adjustable limit switches 5A
- Manual override
- Torque limiter monitored by software (except 400V)
- Failure feedback relay (normal duty, failure) (except 400V)
- RS485 connection (Except 400V)
- Mechanical limit stops (Adjustable for VS and VSX)
- Visual Position Indicator
- Regulated anti-condensation heater 10W

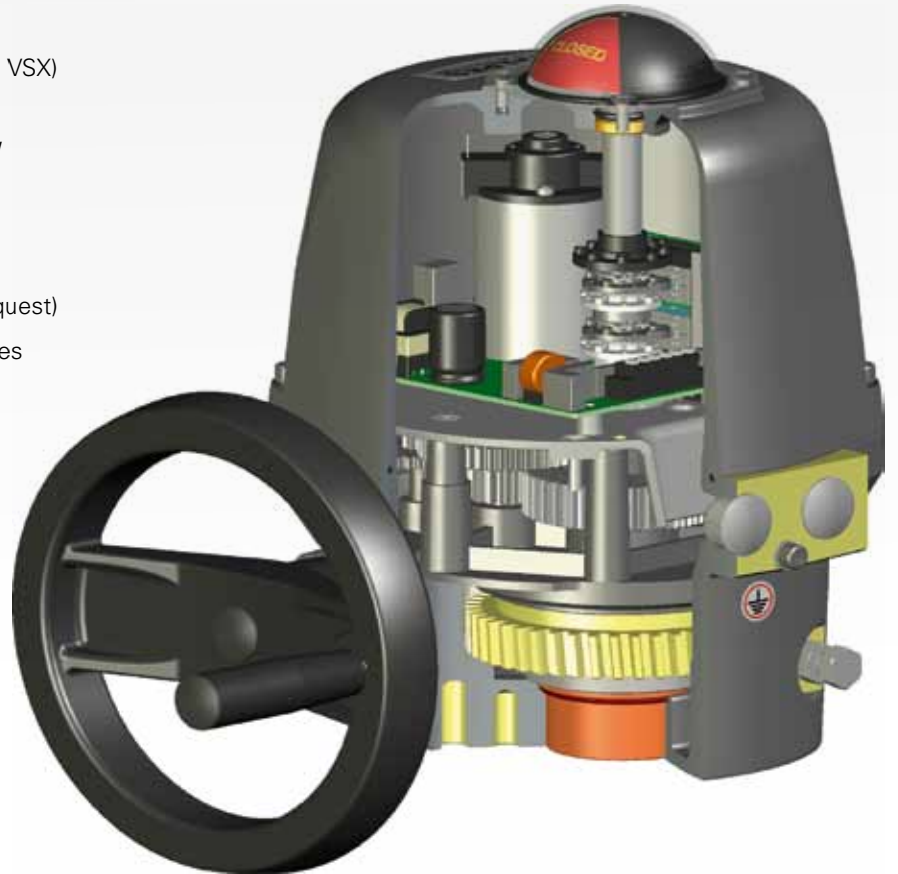
*Technical Data*

Standard Duty Rating: 50% (80% available on request)

Working temperature: -20 degrees to + 70 degrees  
(except VR/VRX/VS/VSX Failsafe)

Enclosure: IP67

**OPTIONAL ENCLOSURE:** ATEX (Ex d IIB T6)



*VR / VRX and VS / VSX Optional Versions:*

- a) **Failsafe:** Integrated failsafe security unit which ensures return to failsafe position (normally open or normally closed in the even of a loss of power.
- b) **Positioning:** Positioning solution allowing the control of the valve with a 0-10Volt or 4 to 20 milliamp signal. Useful for applications involving dosing, modulating or flow control
- c) **GF3:** Third position card allowing a intermediate position of the actuator between 0 and 90 degrees (or 0 degrees and 180 degrees or 0 degrees and 270 degrees)
- d) **GPS:** Integrating a failsafe security module and positioning electronic card
- e) **GFS:** Integrating a failsafe security module and a 3 positioning system
- f) **CSA:** 80% duty cycle motor

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